Figure 1: VecTestTM Panel Assay Strips

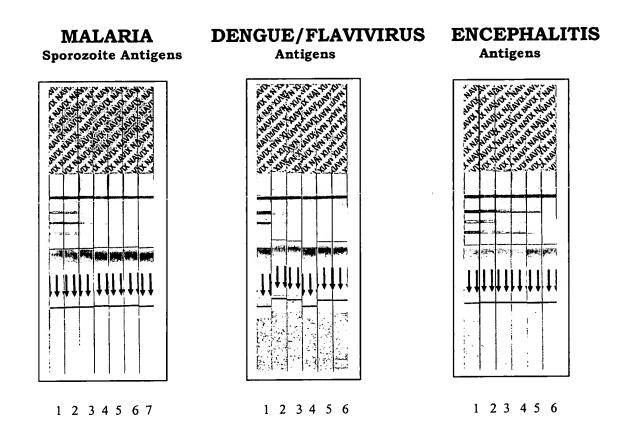


Figure 2

VecTest™

MALARIA Sporozoite Antigen Panel Assay

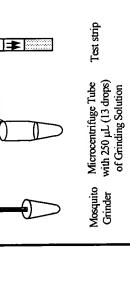
- Plasmodium falciparum + Plasmodium vivax 210
- Plasmodium vivax 247

Store at room temperature

FOR INVESTIGATIONAL USE ONLY

NAVIX

524 Flynn Road, Camarillo, CA 93012 Medical Analysis Systems, Inc.



•The test should be interpreted Pv 210 Pv 247 Pv 210 Pv 247 Positive for different analytes:

Pf

Negative

KIT COMPONENTS:

INTERPRETATION OF RESULTS:

•The test is negative when only one line (control line ines appear on the strip.

positive only if at least two

develops. The test results are not valid if control line does Discard strip if no develops on the strip.

not develop.



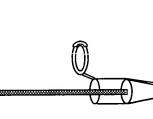
PROCEDURE:

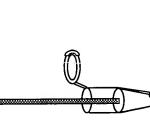
Signal pattern:

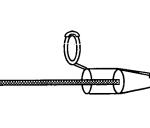
Control →

Pf Pv 210 Pv 247





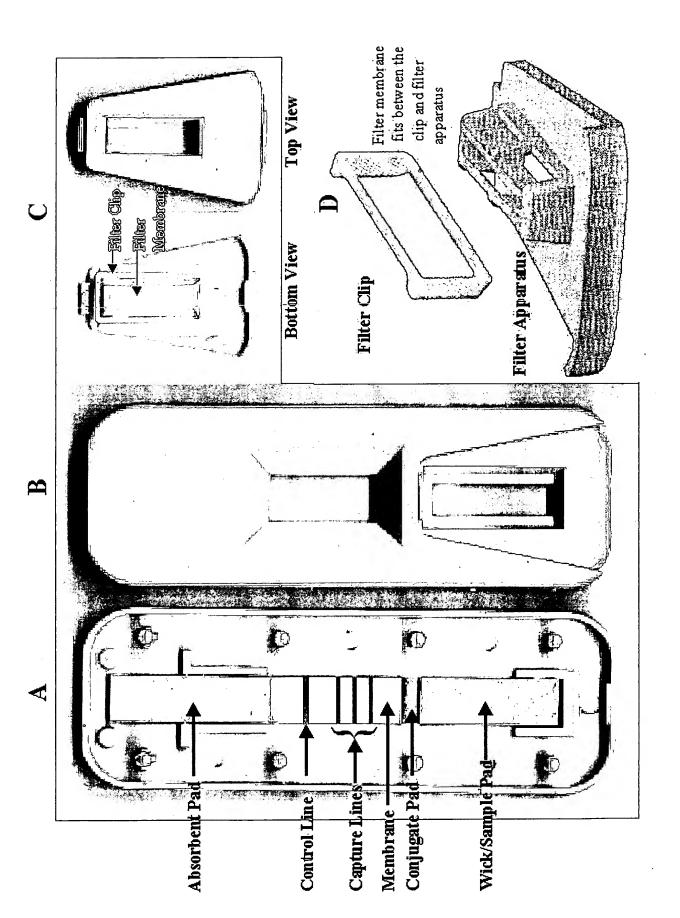




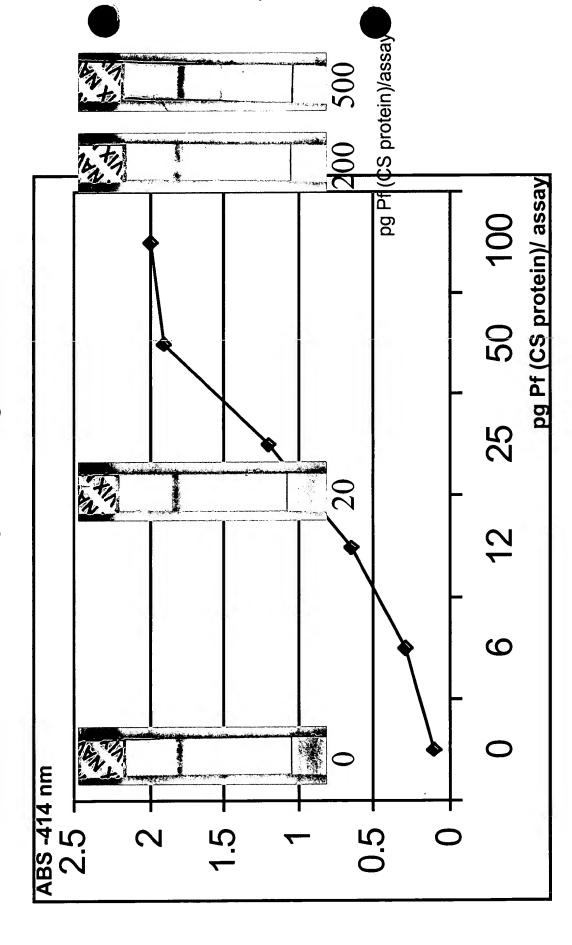
PLACE MOSQUITO PARTS (HEAD TUBES WITH 250 µL (13 DROPS) AND THORAX) INTO THE GIVEN OF GRINDING SOLUTION WAIT 15 MINUTES BEFORE READING RESULTS

strip in the box for comparison Place your test

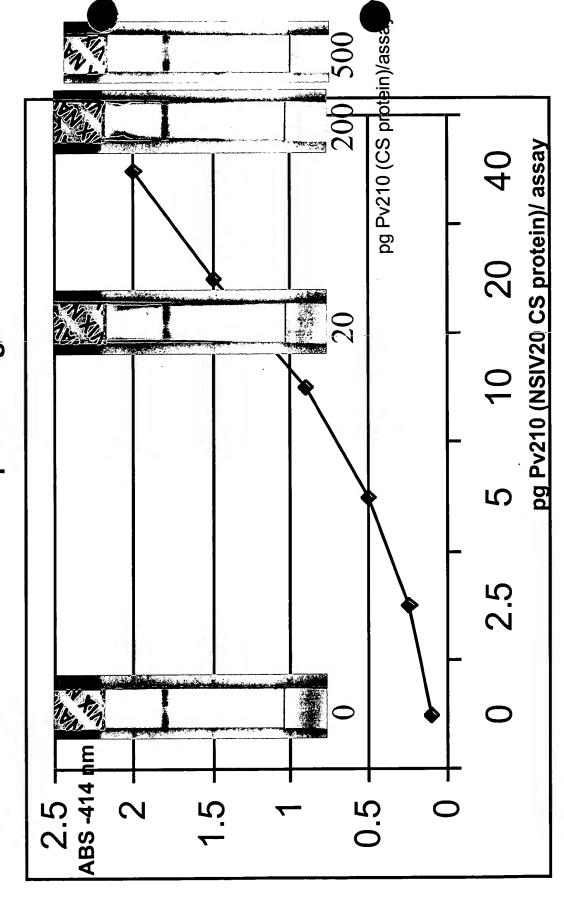
Figure 3:



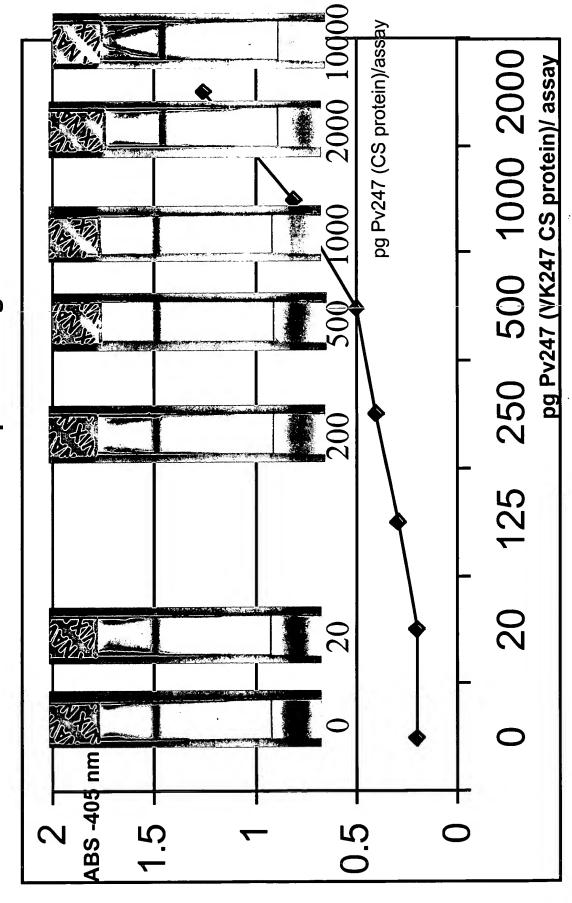
Plasmodium falciparum CS Protein Detection **ELISA versus Dipstick: Figure 4**



Plasmodium vivax 210 CS Protein Detection **ELISA versus Dipstick: Figure 5**



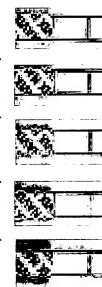
Plasmodium vivax 247 CS Protein Detection ELISA versus Dipstick: Figure 6



Panel Dipstick Detection of Plasmodium Sporozoites in Infected Mosquitoes: Figure 7

Mosquito (MQ) extract:

1MQ, 1MQ, 2MQ, 3MQ, 5MQ Pf infected mosquitoes



>400 300 >400 30

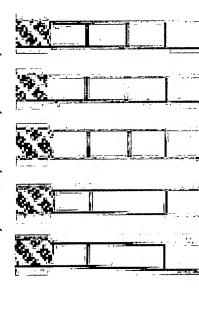
300

Pf sporozoites (ELISA result) Sensitivity in ELISA:

~25-50 Pf sporozoites

Pv210 infected mosquitoes

1MQ, 1MQ, 2MQ, 3MQ, 5MQ



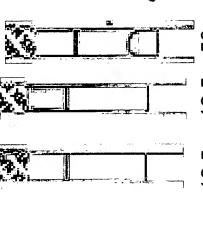
75 35

(ELISA result)

Pv210 sporozoites

Pv247 infected mosq.





12.5 <12.5

Pv247 sporozoites (ELISA result) ~50 Pv247 sporozoites

~25-50 Pv210 sporozoites